

AMENDMENTS TO THE CLAIMS:

Please cancel claim 2. Please amend claims 1 and 3 as shown below.

Please add new claims 10-21 as shown below.

1. (Currently Amended) A form-fill-seal machine for making a pouch style package with a flap that is folded over, comprising:

a flap making station comprising:

a reciprocating vacuum bar;

a reciprocating pressure bar;

a folder bar; and

a flap folder;

wherein, in the flap making station, a portion of the pouch is pressed between the reciprocating vacuum bar and the reciprocating pressure bar, the reciprocating vacuum bar draws the pouch ~~past~~ beneath the folder bar which folds over a portion of the pouch to form a flap, the flap folder further folds the flap to be adjacent a surface of the pouch, and ~~the flap folder presses the flap~~ is pressed against ~~the~~ the surface of the pouch between the reciprocating vacuum bar and the flap folder to seal the flap.

2. (Canceled).

3. (Currently Amended) A form-fill-seal machine for making an instant opening containment and dispensing package, comprising:
- (a) support and braking means for at least two opposing continuous film supplies which are intermittently, simultaneously unwound by a controllable motor;
 - (b) an aperture means creating station wherein at least one of said film supplies is intermittently indexed through said aperture means creating station;
 - (c) a bulge forming station comprising:
 - ~~a set of heating dies;~~
 - a pressure bar; and
 - ~~a vacuum forming~~ bulge forming die;wherein, in the bulge forming station, at least one of said film supplies is forced into the die, ~~thermoforming~~ forming a puff or bulge in the film;
 - (d) a heating and sealing and filling station comprising:
 - a set of reciprocating seal dies; and
 - a filler nozzle;wherein the set of reciprocating seal dies come together to create a lower seal and edge seals between at least two of said film supplies, forming a pouch to be filled, and wherein the pouch is filled by dispensing a product through the filler nozzle;
 - (e) a set of chill dies to chill said lower seal and said edge seals;

(f) vertical slitting crush rollers positioned along a path of travel of at least one film supply; and

(g) a cut-off and flap making station comprising:

cutting means for severing the pouch from the film supply;

a reciprocating vacuum bar;

a reciprocating pressure bar;

a folder bar; and

a flap folder;

wherein a portion of the package just beneath a portion to become a fold over flap is pressed between the reciprocating vacuum bar and the reciprocating pressure bar, the reciprocating vacuum bar draws the pouch ~~past~~ beneath the folder bar which folds over a portion of the pouch to form a flap, and ~~the flap folder presses the flap is pressed~~ against ~~the~~ the surface of the pouch between the reciprocating vacuum bar and the flap folder to seal the flap.

4. (Original) A form-fill-seal machine as claimed in claim 3, wherein the aperture means creating station comprises a punch means for forming an aperture in said at least one of said film supplies that is intermittently indexed through said aperture means creating station.

5. (Original) A form-fill-seal machine as claimed in claim 3, wherein the aperture means creating station comprises means for creating a breakaway tip structure in said at least one of said film supplies that is intermittently indexed through said aperture means creating station.
6. (Original) A form-fill-seal machine as claimed in claim 3, wherein the aperture means creating station comprises means for creating a fault line in said at least one of said film supplies that is intermittently indexed through said aperture means creating station.
7. (Original) A form-fill-seal machine as claimed in claim 3, wherein the aperture means creating station comprises means for creating a score line in said at least one of said film supplies that is intermittently indexed through said aperture means creating station.
8. (Original) A form-fill-seal machine as claimed in claim 3 wherein the folder bar and flap folder are each dentilated so as to mesh when forming said flap.
9. (Original) A form-fill-seal machine as claimed in claim 3 wherein the cut-off and flap making station is mounted on a sub-frame,
the sub-frame being adjustable in at least two directions.

10. (New) A form-fill-seal machine for making an instant opening containment and dispensing package, comprising:
 - (a) at least two opposing continuous film supplies;
 - (b) an aperture means creating station wherein at least one of said film supplies is intermittently indexed through said aperture means creating station; and
 - (c) a flap making station comprising means for folding over a portion of the package to form a flap and pressing the flap against a surface of the package to seal the flap.
11. (New) A form-fill-seal machine as claimed in claim 10, wherein the aperture means creating station comprises a punch means for forming an aperture in said at least one of said film supplies that is intermittently indexed through said aperture means creating station.
12. (New) A form-fill-seal machine as claimed in claim 11, wherein the flap is sealed over the aperture.
13. (New) A form-fill-seal machine as claimed in claim 10, wherein the aperture means creating station comprises means for creating a breakaway tip structure in said at least one of said film supplies that is intermittently indexed through said aperture means creating station.

14. (New) A form-fill-seal machine as claimed in claim 13, wherein the flap is sealed over the breakaway tip structure.
15. (New) A form-fill-seal machine as claimed in claim 10, wherein the aperture means creating station comprises means for creating a fault line in said at least one of said film supplies that is intermittently indexed through said aperture means creating station.
16. (New) A form-fill-seal machine as claimed in claim 15, wherein the flap is sealed over the fault line.
17. (New) A form-fill-seal machine as claimed in claim 10, wherein the aperture means creating station comprises means for creating a score line in said at least one of said film supplies that is intermittently indexed through said aperture means creating station.
18. (New) A form-fill-seal machine as claimed in claim 17, wherein the flap is sealed over the score line.
19. (New) A form-fill-seal machine as claimed in claim 10 wherein the means for folding over a portion of the package to form a flap and pressing the flap against a surface of the package to seal the flap comprises a folder bar and flap folder.

20. (New) A form-fill-seal machine as claimed in claim 19 wherein the folder bar and flap folder are each dentilated so as to mesh when forming said flap.
21. (New) A form-fill-seal machine for making an instant opening containment and dispensing package, comprising:
- (a) support and braking means for at least two opposing continuous film supplies which are intermittently, simultaneously unwound by a controllable motor;
 - (b) a bulge forming station comprising:
 - a pressure bar; and
 - a bulge forming die;
 - wherein, in the bulge forming station, at least one of said film supplies is forced into the die, forming a puff or bulge in the film; and
 - (c) a heating and sealing and filling station comprising:
 - reciprocating seal dies; and
 - a filler nozzle;
 - wherein the reciprocating seal dies come together to create edge seals between at least two of said film supplies, forming a pouch to be filled, and wherein the pouch is filled by dispensing a product through the filler nozzle.